



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/820,812	03/30/2001	David W. Cannell	05725.0783-00	5365
22852	7590	10/23/2002	EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 1300 I STREET, NW WASHINGTON, DC 20006			WILLIS, MICHAEL A	
		ART UNIT	PAPER NUMBER	
		1617		

DATE MAILED: 10/23/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/820,812	CANNELL ET AL.
	Examiner Michael A. Willis	Art Unit 1617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 21 August 2002.
- 2a) This action is FINAL.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-101 and 103-204 is/are pending in the application.
- 4a) Of the above claim(s) See Continuation Sheet is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 101, 103-105, 115, 121, 123-127, 129-131, 142-152, 161, 166, 168-172, 174-177, 187-204 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                             | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____                                    |

U.S. Patent and Trademark Office  
PTO-326 (Rev. 04-01)

**Office Action Summary**

Part of Paper No. 9

Continuation of Disposition of Claims: Claims withdrawn from consideration are 1-100,106-114,116-120,122,128,132-141,153-160,162-165,167,173 and 178-186.

**DETAILED ACTION**

Applicant's amendment of 21 August 2002 is entered. Claims 101 and 196 are amended. Claim 102 is cancelled. Claims 200-204 are added. Claims 1-101 and 103-204 are pending. Claims 1-100 are withdrawn as directed to a non-elected invention. Claims 106-114, 116-120, 122, 128, 132-141, 153-160, 162-165, 167, 173, and 178-186 are withdrawn from further consideration as being drawn to non-elected specie. The remaining claims are examined as they read on the elected specie of XYLIANCE, xylose, and AMPHOMER LV-71. Any previous rejections that are not restated in this Office Action are hereby withdrawn. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

***Response to Amendment/Arguments***

Claims 101, 103-105, 115, 121, 123-127, 129-131, 142-146, 196-197, 200-204 are rejected under 35 USC 102(b) as being clearly anticipated by Bertho et al (US Pat. 5,688,930) for reasons as stated previously.

Applicant argues that Bertho does not teach, either explicitly or impliedly, a heat-activated composition for protecting or repairing at least one keratinous fiber according to the present invention.

Applicant's arguments are not convincing in that a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it

meets the claim. See *In re Casey*, 152 USPQ 235 (CCPA 1967) and *In re Otto*, 136 USPQ 458, 459 (CCPA 1963). In the instant application, the claims are drawn to compositions rather than methods of protecting or repairing at least one keratinous fiber. Therefore, the phrase “wherein said composition is heat-activated” is not given patentable weight. With respect to new claims 200-204, the patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process. *In re Thorpe*, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985). See also MPEP § 2113. In claims 200-204, the process of heating the composition to above 100C does not change the fact that the only limitation on the composition is that it comprises XYLIANCE.

Claims 101, 103-105, 115, 121, 123-127, 129-131, 142-152, 161, 166, 168-172, 174-177, 187-204 are rejected under 35 USC 103(a) as being unpatentable over Karlen et al (US Pat. 6,004,545) in view of Bertho et al (US Pat. 5,688,930) or Bertho et al (US Pat. 6,087,403) for reasons as stated previously.

Applicant argues that, as discussed above, claims 101 and 196 are amended to recite that the inventive composition is heat-activated, and that Karlen does not teach or suggest a heat-activated composition. Therefore, applicant submits that even if the proposed modification of Karlen in view of Bertho '930 or Bertho '403 were made, the resultant composition would not render the presently claimed composition obvious.

Art Unit: 1617

Applicant's arguments are not convincing in that a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. See *In re Casey*, 152 USPQ 235 (CCPA 1967) and *In re Otto*, 136 USPQ 458, 459 (CCPA 1963). In the instant application, the claims are drawn to compositions rather than methods of protecting or repairing at least one keratinous fiber or methods of preparing compositions. Therefore, the phrase "wherein said composition is heat-activated" is not given patentable weight. Where heat-activation is read as a method of preparing the claimed compositions, the patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process. *In re Thorpe*, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985). See also MPEP § 2113. For example, in new claims 200-204, the process of heating the composition to above 100°C does not change the fact that the only limitation on the composition is that it comprises XYLIANCE.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

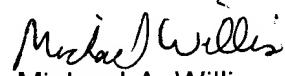
Art Unit: 1617

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Willis whose telephone number is (703) 305-1679. The examiner can normally be reached on alt. Mondays and Tuesday to Friday (9am-6:30pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on (703) 305-1877. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9307 for After Final communications.

Any inquiry of a general nature or relating to the status of this application should be made to the receptionist whose telephone number is (703) 308-1234.

  
Michael A. Willis  
Examiner  
Art Unit 1617

maw  
October 22, 2002

  
SREENI PADMANABHAN  
PRIMARY EXAMINER  
Oct 22/02